Package 'lalondeR'

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Type Package

Title An Example Package to Download and Analyze Lalonde's NSW dataset.

Version 0.1.0

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Description This is an example package to download and analyze Lalone's National Supported Work (NSW) data.

License MIT

Encoding UTF-8

LazyData true

RoxygenNote 7.2.3

URL https://github.com/arcruz0/lalondeR

BugReports https://github.com/arcruz0/lalondeR/issues

R topics documented:

AnalysisFunction   *Analyze a vector (by adding white noise!)*

Description

This function analyzes a numeric vector. If `training = TRUE` (the default), the function adds random noise Z, with $Z \sim Uniform(-1, 1)$.

Usage

```
AnalysisFunction(x, training = T)
```

Value

A numeric vector that has been analyzed.

Examples

```
x <- 1:10

# Analyze a vector without added noise (boring)
y1 <- AnalysisFunction(x, training = F)
plot(x, y1) # no noise

# Analyze a vector with added noise (fun)
y2 <- AnalysisFunction(x, training = T)
plot(x, y2) # added noise
```

GetDataAsset   *Download Lalonde's data from Dropbox*

Description

This function downloads Lalonde's NSW data from Dropbox, outputting it as `data.frame` object.

Usage

```
GetDataAsset()
```

Value

A data frame with Lalonde's NSW data (614 rows and 10 columns):

treat Treatment assignment (dummy)

age Participant's age (years)

educ Participant's years of schooling (years)

black Whether the participant was black (dummy)

hispan Whether the participant was hispanic (dummy)

married Whether the participant was married (dummy)

nodegree Whether the participant has no high school degree (dummy)

re74, re75, re78 Participant's income in 1974, 1975, and 1978 (dollars)

Source

LaLonde, R. J. (1986). Evaluating the econometric evaluations of training programs with experimental data. The American Economic Review, 604-620.

Examples

```
# Download the data and save it as a data frame:
PackageDataAsset <- GetDataAsset()
```

PackageDataAsset *LaLonde's NSW data*

Description

A subset from LaLonde's National Supported Work study on job training programs.

Usage

```
data(PackageDataAsset)
```

Format

A data frame with 614 rows and 10 columns:

treat Treatment assignment (dummy)

age Participant's age (years)

educ Participant's years of schooling (years)

black Whether the participant was black (dummy)

hispan Whether the participant was hispanic (dummy)

married Whether the participant was married (dummy)

nodegree Whether the participant has no high school degree (dummy)

re74, re75, re78 Participant's income in 1974, 1975, and 1978 (dollars)

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